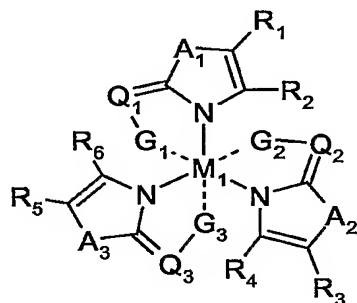


What is claimed is:

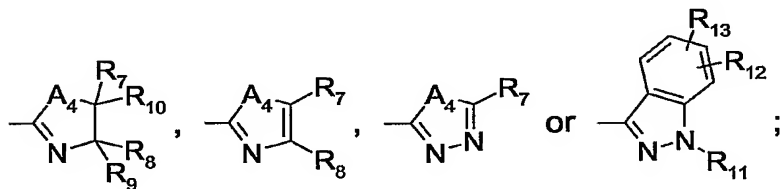
1. An optical recording medium comprising a substrate, a recording layer and optionally one or more reflecting layers, wherein the recording layer comprises a

compound of formula



(I) or a tautomer thereof, wherein

5  $G_1$ ,  $G_2$  and  $G_3$  are each independently of the other



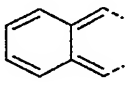
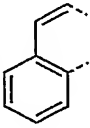
$A_1$ ,  $A_2$  and  $A_3$  are each independently of the other N( $R_{14}$ ), O, S or Se and  $A_4$  is  $C(C_1-C_5\text{alkyl})_2$ ,  $C(C_4-C_5\text{alkylene})$ , N( $R_{14}$ ), O, S, Se,  $N=C(R_{15})$  or  $CH=C(R_{16})$ ;

$M_1$  is an at least trivalent metal of groups 3 to 15 [formerly groups IIIA to VB],  
 10 preferably Co(III), Cr(III), Ru(III), Fe(III), Mn(III), V(III), Ti(III), Y(III), Mo(III), W(III), Nb(III), Rh(III), Ta(III), Ir(III), Au(III), Al(III), As(III), Sb(III), Bi(III), Sc(III), La(III), Ce(III), Pr(III), Nd(III), Pm(III), Sm(III), Eu(III), Gd(III), Tb(III), Dy(III), Ho(III), Er(III), Tm(III), Yb(III) or Lu(III), most preferred Co(III) or Cr(III);

$Q_1$ ,  $Q_2$  and  $Q_3$  are each independently of the other C( $R_{17}$ ), N or P;

15  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{16}$  are each independently of the others hydrogen,  $R_{18}$ , or  $C_6-C_{12}$ aryl,  $C_4-C_{12}$ heteroaryl,  $C_7-C_{12}$ aralkyl or  $C_5-C_{12}$ heteroaralkyl each unsubstituted or substituted by one or more, where applicable identical or different, radicals  $R_{18}$ ; or

R<sub>1</sub> and R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub>, R<sub>7</sub> and R<sub>15</sub> and/or R<sub>7</sub> and R<sub>16</sub>, together in pairs, are C<sub>3</sub>-C<sub>6</sub>alkylene or C<sub>3</sub>-C<sub>6</sub>alkenylene, each of which is unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>19</sub> and may be uninterrupted or interrupted by O, S or N(R<sub>14</sub>), or 1,4-buta-

5 1,3-dienylene,  or , each of which is unsubstituted or substituted by

one or more, where applicable identical or different, radicals R<sub>18</sub> and in which 1 or 2 carbon atoms may have been replaced by nitrogen;

R<sub>11</sub>, R<sub>14</sub> and R<sub>15</sub> are each independently of the others C<sub>1</sub>-C<sub>24</sub>alkyl, C<sub>3</sub>-C<sub>24</sub>cycloalkyl, C<sub>2</sub>-C<sub>24</sub>alkenyl, C<sub>3</sub>-C<sub>24</sub>cycloalkenyl, C<sub>1</sub>-C<sub>4</sub>alkyl-[O-C<sub>1</sub>-C<sub>4</sub>alkylene]<sub>m</sub> or C<sub>1</sub>-C<sub>4</sub>alkyl-[NH-C<sub>1</sub>-C<sub>4</sub>alkylene]<sub>m</sub>, each of which is unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>19</sub>; or C<sub>6</sub>-C<sub>12</sub>aryl, C<sub>4</sub>-C<sub>12</sub>heteroaryl, C<sub>7</sub>-C<sub>12</sub>aralkyl or C<sub>5</sub>-C<sub>12</sub>heteroaralkyl, each of which is unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>18</sub>;

15 R<sub>12</sub>, R<sub>13</sub> and R<sub>18</sub> are each independently of the others R<sub>20</sub> or C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>cycloalkyl, C<sub>1</sub>-C<sub>12</sub>alkylthio, C<sub>3</sub>-C<sub>12</sub>cycloalkylthio, C<sub>1</sub>-C<sub>12</sub>alkoxy or C<sub>3</sub>-C<sub>12</sub>cycloalkoxy each unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>19</sub>;

R<sub>17</sub> is hydrogen, halogen, cyano, hydroxy, C<sub>1</sub>-C<sub>12</sub>alkoxy, C<sub>3</sub>-C<sub>12</sub>cycloalkoxy, C<sub>1</sub>-C<sub>12</sub>alkylthio, C<sub>3</sub>-C<sub>12</sub>cycloalkylthio, amino, nitro, formyl, C(R<sub>16</sub>)=CR<sub>21</sub>R<sub>22</sub>,  
20 C(R<sub>16</sub>)=NR<sub>23</sub>, N=CR<sub>23</sub>R<sub>24</sub>, NHR<sub>25</sub>, NR<sub>26</sub>R<sub>27</sub>, COO-R<sub>26</sub>, carboxy, carbamoyl, CONH-R<sub>26</sub>, CONR<sub>26</sub>R<sub>27</sub>, R<sub>28</sub>, N=N-R<sub>28</sub> or R<sub>29</sub>;

R<sub>19</sub> is halogen, hydroxy, O-R<sub>26</sub>, O-CO-R<sub>26</sub>, S-R<sub>26</sub>, NH<sub>2</sub>, NH-R<sub>26</sub>, NR<sub>26</sub>R<sub>27</sub>, NH<sub>3</sub><sup>+</sup>, NH<sub>2</sub>R<sub>26</sub><sup>+</sup>, NHR<sub>26</sub>R<sub>27</sub><sup>+</sup>, NR<sub>25</sub>R<sub>26</sub>R<sub>27</sub><sup>+</sup>, NR<sub>26</sub>-CO-R<sub>25</sub>, NR<sub>26</sub>COOR<sub>25</sub>, cyano, formyl, COO-R<sub>26</sub>, carboxy, carbamoyl, CONH-R<sub>26</sub>, CONR<sub>26</sub>R<sub>27</sub>, ureido, NH-CO-NHR<sub>25</sub>,  
25 NR<sub>26</sub>-CO-NHR<sub>25</sub>, phosphato, PR<sub>25</sub>R<sub>26</sub>, POR<sub>25</sub>OR<sub>26</sub>, P(=O)OR<sub>25</sub>OR<sub>26</sub>, OPR<sub>25</sub>R<sub>26</sub>, OPR<sub>25</sub>OR<sub>26</sub>, OP(=O)R<sub>25</sub>OR<sub>26</sub>, OPO<sub>3</sub>R<sub>26</sub>, OP(=O)OR<sub>25</sub>OR<sub>26</sub>, SO<sub>2</sub>R<sub>26</sub>, sulfato, sulfo,

$R_{28}$ ,  $N=N-R_{28}$ , or  $C_1$ - $C_{12}$ alkoxy or  $C_1$ - $C_{12}$ cycloalkoxy each unsubstituted or mono- or poly-substituted by halogen;

- $R_{20}$  is halogen, nitro, cyano, thiocyanato, hydroxy,  $O-R_{23}$ ,  $O-CO-R_{23}$ ,  $S-R_{23}$ ,  $CHO$ ,  $COR_{24}$ ,  $CHOR_{23}OR_{30}$ ,  $CR_{24}OR_{23}OR_{30}$ ,  $R_{31}$ ,  $N=N-R_{31}$ ,  $N=CR_{23}R_{24}$ ,  $N=CR_{21}R_{22}$ ,  
 5  $C(R_{32})=NR_{23}$ ,  $C(R_{32})=NR_{21}$ ,  $C(R_{32})=CR_{21}R_{22}$ ,  $NH_2$ ,  $NH-R_{23}$ ,  $NR_{23}R_{24}$ ,  $NH_3^+$ ,  $NH_2R_{23}^+$ ,  $NHR_{23}R_{24}^+$ ,  $NR_{23}R_{24}R_{30}^+$ ,  $CONH_2$ ,  $CONHR_{23}$ ,  $CONR_{23}R_{24}$ ,  $SO_2R_{23}$ ,  $SO_2NH_2$ ,  $SO_2NHR_{23}$ ,  $SO_2NR_{23}R_{24}$ ,  $COOH$ ,  $COOR_{23}$ ,  $OCOOR_{23}$ ,  $NHCOR_{23}$ ,  $NR_{23}COR_{30}$ ,  $NHCOOR_{23}$ ,  $NR_{23}COOR_{30}$ , ureido,  $NR_{23}-CO-NHR_{30}$ ,  $B(OH)_2$ ,  $B(OH)(OR_{23})$ ,  $B(OR_{23})OR_{30}$ , phosphato,  $PR_{23}R_{30}$ ,  $POR_{23}OR_{30}$ ,  $P(=O)OR_{23}OR_{30}$ ,  $OPR_{23}R_{30}$ ,  
 10  $OPR_{23}OR_{30}$ ,  $OP(=O)R_{23}OR_{30}$ ,  $OP(=O)OR_{23}OR_{30}$ ,  $OPO_3R_{23}$ , sulfato or sulfo;

$R_{21}$  and  $R_{22}$  are each independently of the other  $NR_{26}R_{27}$ ,  $CN$ ,  $CONH_2$ ,  $CONHR_{23}$ ,  $CONR_{23}R_{24}$  or  $COOR_{24}$ ;

- $R_{23}$ ,  $R_{24}$  and  $R_{30}$  are each independently of the others  $R_{31}$ , or  $C_1$ - $C_{12}$ alkyl,  $C_3$ - $C_{12}$ cycloalkyl,  $C_2$ - $C_{12}$ alkenyl or  $C_3$ - $C_{12}$ cycloalkenyl each unsubstituted or  
 15 substituted by one or more, where applicable identical or different, halogen, hydroxy,  $C_1$ - $C_{12}$ alkoxy or  $C_3$ - $C_{12}$ cycloalkoxy radicals; or

- $R_{16}$  and  $R_{23}$  together,  $R_{17}$  and  $R_{23}$  together and/or  $R_{23}$  and  $R_{30}$  together are  $C_2$ - $C_{12}$ alkylene,  $C_3$ - $C_{12}$ cycloalkylene,  $C_2$ - $C_{12}$ alkenylene or  $C_3$ - $C_{12}$ cycloalkenylene, each of which is unsubstituted or substituted by one or more, where applicable  
 20 identical or different, halogen, hydroxy,  $C_1$ - $C_{12}$ alkoxy or  $C_3$ - $C_{12}$ cycloalkoxy radicals;  
 or

- $R_{23}$  and  $R_{24}$  together with the common nitrogen are pyrrolidine, piperidine, piperazine or morpholine, each of which is unsubstituted or mono- to tetra-substituted by  $C_1$ - $C_4$ alkyl; or carbazole, phenoxazine or phenothiazine, each of which is unsub-  
 25 stituted or substituted by one or more, where applicable identical or different, radicals  $R_{33}$ ;

- 36 -

R<sub>25</sub>, R<sub>26</sub> and R<sub>27</sub> are each independently of the others C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>cycloalkyl, C<sub>2</sub>-C<sub>12</sub>alkenyl, C<sub>3</sub>-C<sub>12</sub>cycloalkenyl, C<sub>6</sub>-C<sub>12</sub>aryl, C<sub>4</sub>-C<sub>12</sub>heteroaryl, C<sub>7</sub>-C<sub>12</sub>aralkyl or C<sub>5</sub>-C<sub>12</sub>heteroaralkyl; or

5 R<sub>26</sub> and R<sub>27</sub> together with the common nitrogen are pyrrolidine, piperidine, piperazine or morpholine, each of which is unsubstituted or mono- to tetra-substituted by C<sub>1</sub>-C<sub>4</sub>alkyl;

R<sub>28</sub> is C<sub>6</sub>-C<sub>12</sub>aryl, C<sub>4</sub>-C<sub>12</sub>heteroaryl, C<sub>7</sub>-C<sub>12</sub>aralkyl or C<sub>5</sub>-C<sub>12</sub>heteroaralkyl, each of which is unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>20</sub> or R<sub>29</sub>;

10 R<sub>29</sub> is C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>cycloalkyl, C<sub>2</sub>-C<sub>12</sub>alkenyl or C<sub>3</sub>-C<sub>12</sub>cycloalkenyl each unsubstituted or substituted by one or more, where applicable identical or different, halogen, hydroxy, C<sub>1</sub>-C<sub>12</sub>alkoxy or C<sub>3</sub>-C<sub>12</sub>cycloalkoxy radicals;

15 R<sub>31</sub> is C<sub>6</sub>-C<sub>12</sub>aryl, C<sub>4</sub>-C<sub>12</sub>heteroaryl, C<sub>7</sub>-C<sub>12</sub>aralkyl or C<sub>5</sub>-C<sub>12</sub>heteroaralkyl, each of which is unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>33</sub>;

20 R<sub>32</sub> is hydrogen, cyano, hydroxy, C<sub>1</sub>-C<sub>12</sub>alkoxy, C<sub>3</sub>-C<sub>12</sub>cycloalkoxy, C<sub>1</sub>-C<sub>12</sub>alkylthio, C<sub>3</sub>-C<sub>12</sub>cycloalkylthio, amino, NHR<sub>25</sub>, NR<sub>26</sub>R<sub>27</sub>, R<sub>28</sub>, halogen, nitro, formyl, N=N-R<sub>28</sub>, COO-R<sub>26</sub>, carboxy, carbamoyl, CONH-R<sub>26</sub>, CONR<sub>26</sub>R<sub>27</sub>, N=CR<sub>23</sub>R<sub>24</sub>, or C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>cycloalkyl, C<sub>2</sub>-C<sub>12</sub>alkenyl or C<sub>3</sub>-C<sub>12</sub>cycloalkenyl each unsubstituted or substituted by one or more, where applicable identical or different, halogen, hydroxy, C<sub>1</sub>-C<sub>12</sub>alkoxy or C<sub>3</sub>-C<sub>12</sub>cycloalkoxy radicals;

R<sub>33</sub> is nitro, SO<sub>2</sub>NHR<sub>26</sub>, SO<sub>2</sub>NR<sub>26</sub>R<sub>27</sub>, or C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>cycloalkyl, C<sub>1</sub>-C<sub>12</sub>alkylthio, C<sub>3</sub>-C<sub>12</sub>cycloalkylthio, C<sub>1</sub>-C<sub>12</sub>alkoxy or C<sub>3</sub>-C<sub>12</sub>cycloalkoxy each unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>19</sub>; and

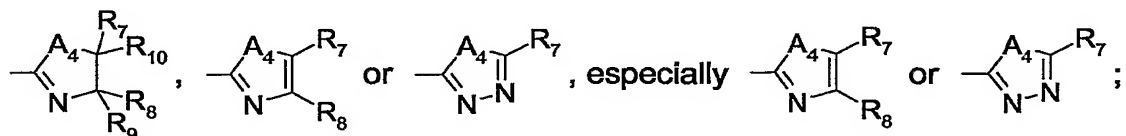
25 m is a number from 1 to 10.

2. An optical recording medium according to claim 1, wherein M1 is a trebly positively charged cation, preferably Co<sup>3+</sup>, Cr<sup>3+</sup>, Ru<sup>3+</sup>, Fe<sup>3+</sup>, Mn<sup>3+</sup>, Au<sup>3+</sup>, Al<sup>3+</sup>, Sb<sup>3+</sup>, Bi<sup>3+</sup>, Sc<sup>3+</sup>, La<sup>3+</sup> or Ce<sup>3+</sup>, most preferred Co<sup>3+</sup> or Cr<sup>3+</sup>.

3. An optical recording medium according to claim 1 or 2, wherein the recording  
5 layer comprises a compound of formula (I) wherein

A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub> and A<sub>4</sub> are each independently of the others O, S or N(R<sub>14</sub>) and/or Q<sub>1</sub>, Q<sub>2</sub> and Q<sub>3</sub> are C(R<sub>17</sub>) or N;

G<sub>1</sub>, G<sub>2</sub> and G<sub>3</sub> are each independently of the other



10 R<sub>1</sub>, R<sub>3</sub>, R<sub>5</sub>, R<sub>7</sub>, R<sub>10</sub> and R<sub>16</sub> are each independently of the others hydrogen, R<sub>18</sub>, or C<sub>6</sub>-C<sub>12</sub>aryl or C<sub>7</sub>-C<sub>12</sub>aralkyl each unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>18</sub>;

R<sub>2</sub>, R<sub>4</sub>, R<sub>6</sub>, R<sub>8</sub> and R<sub>9</sub> are each independently of the others H, F, OH, OCH<sub>3</sub>, OCF<sub>3</sub>, CH<sub>3</sub>, CF<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, C<sub>2</sub>H<sub>2</sub>F<sub>3</sub>, C<sub>2</sub>H<sub>3</sub>F<sub>2</sub>, C<sub>2</sub>F<sub>5</sub>, CH<sub>2</sub>OH, CF<sub>2</sub>OH or CH<sub>2</sub>OCH<sub>3</sub>;

15 R<sub>14</sub> and R<sub>15</sub> are each independently of the others unsubstituted or R<sub>19</sub>-substituted C<sub>1</sub>-C<sub>8</sub>alkyl;

R<sub>12</sub> and R<sub>18</sub> are each independently of the other halogen, nitro, cyano, O-R<sub>23</sub>, CHO, CH=C(CN)<sub>2</sub>, CH=C(CN)CONH<sub>2</sub>, CH=C(CN)CONHR<sub>23</sub>, CH=C(CN)CONR<sub>23</sub>R<sub>24</sub>, CH=C(CN)COOR<sub>23</sub>, CH=C(COOR<sub>23</sub>)COOR<sub>24</sub>, CONH<sub>2</sub>, CONHR<sub>23</sub>, CONR<sub>23</sub>R<sub>24</sub>,  
20 SO<sub>2</sub>C<sub>1</sub>-C<sub>12</sub>alkyl, SO<sub>2</sub>NH<sub>2</sub>, SO<sub>2</sub>NHR<sub>23</sub>, SO<sub>2</sub>NR<sub>23</sub>R<sub>24</sub>, COOH, COOR<sub>23</sub>, NHCOR<sub>23</sub>, NR<sub>23</sub>COR<sub>30</sub>, NHCOOR<sub>23</sub>, NR<sub>23</sub>COOR<sub>30</sub>, ureido, P(=O)OR<sub>23</sub>OR<sub>30</sub>, sulfo, or C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkylthio or C<sub>1</sub>-C<sub>12</sub>alkoxy each unsubstituted or substituted by one or more, where applicable identical or different, radicals R<sub>19</sub>;

- 38 -

R<sub>17</sub> is hydrogen, halogen, cyano, nitro, formyl, C(R<sub>16</sub>)=CR<sub>21</sub>R<sub>22</sub>, C(R<sub>16</sub>)=NR<sub>23</sub>, COO-R<sub>26</sub>, carboxy, carbamoyl, CONH-R<sub>26</sub>, CONR<sub>26</sub>R<sub>27</sub>, N=N-R<sub>28</sub>, or C<sub>1</sub>-C<sub>12</sub>alkyl unsubstituted or substituted by one or more halogen substituents;

5 R<sub>19</sub> is halogen, hydroxy, O-R<sub>26</sub>, NH<sub>2</sub>, NH-R<sub>26</sub>, NR<sub>26</sub>R<sub>27</sub>, NR<sub>26</sub>-CO-R<sub>25</sub>, NR<sub>26</sub>COOR<sub>25</sub>, cyano, COO-R<sub>26</sub>, carboxy, CONH-R<sub>26</sub>, CONR<sub>26</sub>R<sub>27</sub>, sulfato, sulfo, or C<sub>1</sub>-C<sub>12</sub>alkoxy unsubstituted or mono- or poly-substituted by halogen;

R<sub>23</sub>, R<sub>24</sub> and R<sub>30</sub> are each independently of the others C<sub>1</sub>-C<sub>12</sub>alkyl unsubstituted or substituted by one or more, where applicable identical or different, halogen, hydroxy or C<sub>1</sub>-C<sub>12</sub>alkoxy radicals, or unsubstituted C<sub>6</sub>-C<sub>12</sub>aryl or C<sub>7</sub>-C<sub>12</sub>aralkyl; or

10 R<sub>23</sub> and R<sub>24</sub> together with the common nitrogen are morpholine, or piperidine N-substituted by C<sub>1</sub>-C<sub>4</sub>alkyl;

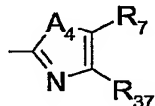
R<sub>25</sub>, R<sub>26</sub> and R<sub>27</sub> are each independently of the others C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>2</sub>-C<sub>12</sub>alkenyl, C<sub>6</sub>-C<sub>12</sub>aryl or C<sub>7</sub>-C<sub>12</sub>aralkyl; or

15 R<sub>26</sub> and R<sub>27</sub> together with the common nitrogen are morpholine, or piperidine N-substituted by C<sub>1</sub>-C<sub>4</sub>alkyl;

R<sub>31</sub> is unsubstituted or substituted C<sub>6</sub>-C<sub>12</sub>aryl or C<sub>7</sub>-C<sub>12</sub>aralkyl, especially a metallocenyl radical; and/or

m is a number from 1 to 4.

4. An optical recording medium according to claim 1, 2 or 3, wherein the recording  
20 layer comprises a compound of formula (I) wherein Q<sub>1</sub>, Q<sub>2</sub> and Q<sub>3</sub> are C(R<sub>17</sub>); G<sub>1</sub>, G<sub>2</sub>

and G<sub>3</sub> are ; and A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub> and A<sub>4</sub> are O, S or N(R<sub>14</sub>);

R<sub>14</sub> is C<sub>1</sub>-C<sub>24</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkyl-[O-C<sub>1</sub>-C<sub>4</sub>alkylene]<sub>m</sub> or C<sub>1</sub>-C<sub>4</sub>alkyl-[NH-C<sub>1</sub>-C<sub>4</sub>alkylene]<sub>m</sub>, each of which is unsubstituted or substituted by one or more, where applicable

identical or different, radicals  $R_{19}$ , or  $C_6-C_{12}$ aryl unsubstituted or substituted by one or more, where applicable identical or different, radicals  $R_{18}$ ;

$R_{17}$  is hydrogen, cyano,  $COO-R_{26}$  or  $C_1-C_{12}$ alkyl;

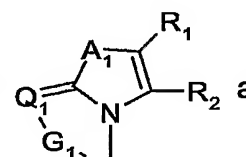
$R_{18}$  is halogen, nitro, cyano,  $O-R_{23}$ ,  $CH=C(CN)_2$ ,  $COOR_{23}$ , ureido,  $CONR_{26}R_{27}$ ,

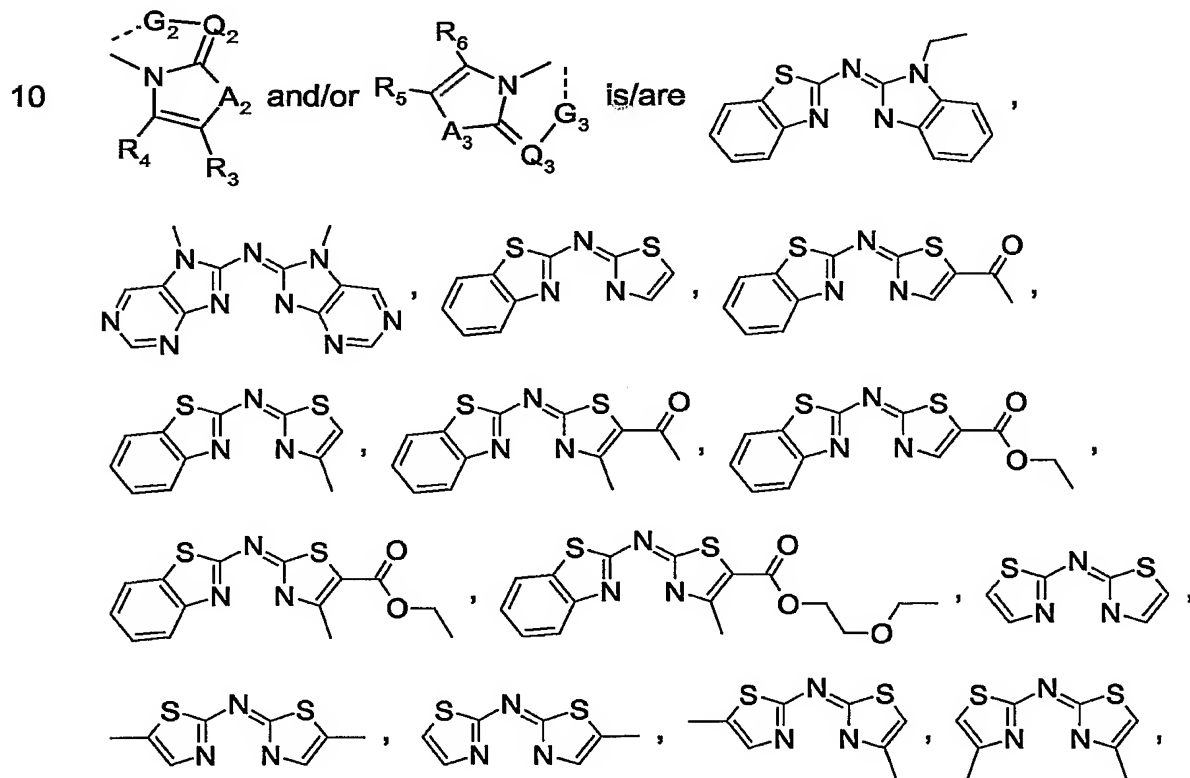
5  $SO_2R_{26}$ ,  $P(=O)OR_{23}OR_{30}$  or unsubstituted or substituted  $C_1-C_{12}$ alkyl;

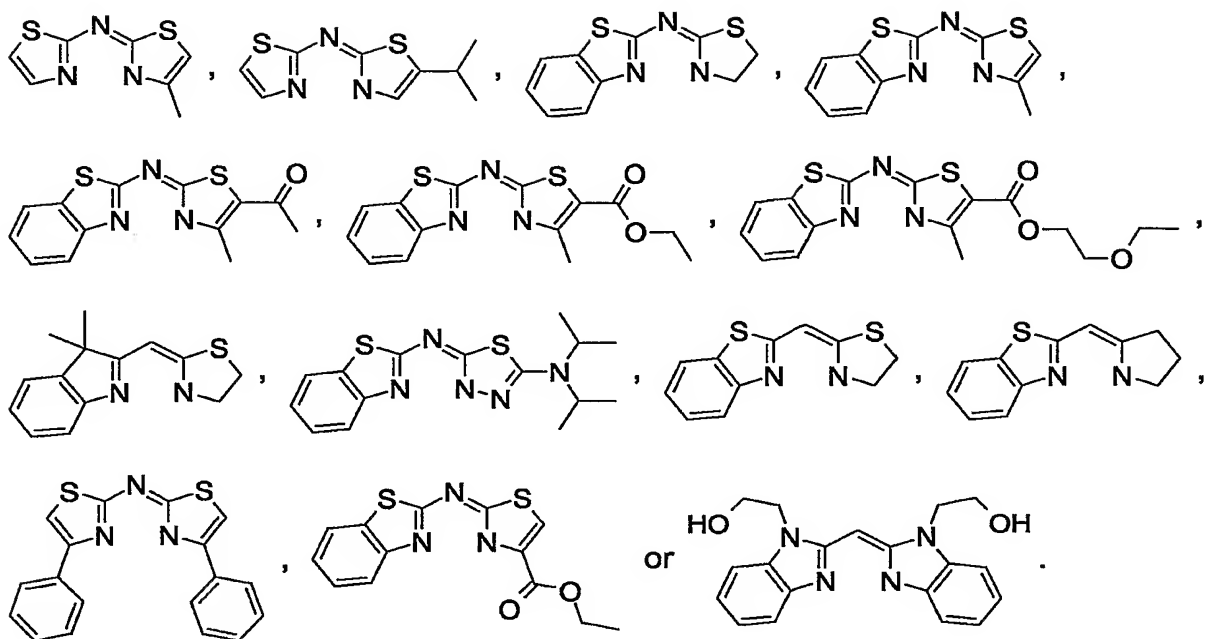
$R_{19}$  is halogen, hydroxy,  $O-R_{26}$ , cyano,  $COO-R_{26}$  or carboxy; and

$R_{37}$  is H, methyl, ethyl or isopropyl, in particular H.

5. An optical recording medium according to claim 1, 2, 3 or 4, wherein the recording

layer comprises a compound of formula (I) wherein  and/or





- 5 6. An optical recording medium according to claim 1, 2, 3, 4 or 5, wherein the recording layer is substantially amorphous.
7. An optical recording medium according to claim 1, 2, 3, 4, 5 or 6, additionally comprising a covering layer, wherein substrate, reflector layer, recording layer and covering layer are arranged in that order.
- 10 8. An optical recording medium according to claim 1, 2, 3, 4, 5, 6 or 7, which in addition to comprising a compound of formula (I) comprises a metal-free chromophore.
9. A method of recording or playing back data, wherein the data on an optical recording medium according to claim 1, 2, 3, 4, 5, 6, 7 or 8 are recorded or played
- 15 back at a wavelength of from 350 to 500 nm.
10. A compound of formula (I) according to claim 1.
11. A compound according to claim 10, wherein  $R_2$ ,  $R_4$ ,  $R_6$ ,  $R_8$ ,  $R_9$  and  $R_{11}$  are hydrogen.



12. Use of a compound according to claim 10 or 11 for optical recording, preferably at a wavelength of from 350 to 500 nm.